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S. Timmerman
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APPLICANT: ALBERT EXR. ROSS, DANA

RESPONSIVE TO THE OFFICE ACTION MAILED 03/24/03

IN THE SPECIFICATION:

Please replace the first full paragraph on page 6 with the following.

Rotational force is applied to drive shaft [240] 340 from an external high RPM source, not shown which may be electrical, hydraulic, or pneumatic. Drive shaft 340 rotates through drive shaft bearing 342, and turns a system of bevel gears 345, which change the plane of rotation 90 degrees. This rotational movement is transferred to secondary shaft 350, which is mounted by means of upper secondary shaft bearing [354] 352, [and] lower secondary shaft bearing [352] 354, and end 356. The bevel gears 345 rotate in an oil-filled chamber 347. A threaded plug 365 may be removed to add or change the oil in chamber 347.

Please replace the first full paragraph on page 7 with the following.

Bevel gear 730 turns around fixed shaft 731, which is secured to housing 705 by means of threaded end 732, locknut 735, and thrust bearing 760. Oil is prevented from leaking from hollow chamber 727 by o-rings 737 and 765, seals 750 having engaging extensions 747, and sealed bearing 715. Needle bearings 755 allow free rotational motion of bevel gear 730 around fixed shaft 731. Keyway 742 is cut into the shaft portion of bevel gear 730, and accepts key 745. Key 745 is also accepted by keyway 743, recessed into cutter wheel 740. Key 745 thus fixes the position of cutter wheel 740 relative to bevel gear 730.

Please replace the second paragraph on page 7 with the following.

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